RESTORATION IN THE RUSSIAN RIVER

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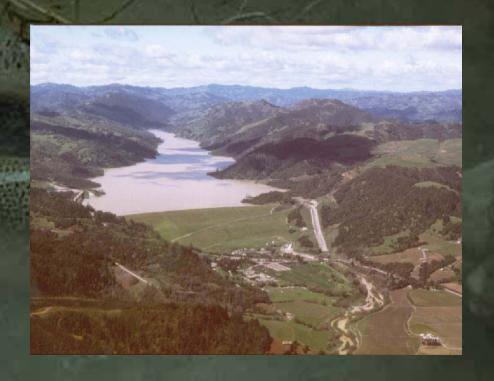
Russian River

- Approximately 110 miles long
- 1,485 square mile watershed
- Over 200 named tributaries
- 34 species of fish
- 3 species of anadromous salmonids



Sonoma County Water Agency

- Special District formed in 1949
- Warm Springs and Coyote Dams
- Water for 600,000 in Sonoma and Marin Counties
- Flood control

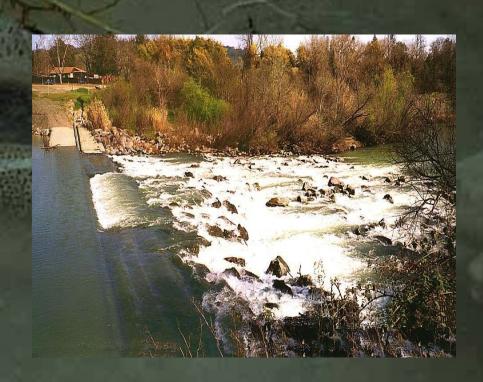


Projects

- Healdsburg Dam Fish Ladder
- Crocker Creek Dam Removal and Riparian Restoration
- Mumford Dam Fish Passage and Riparian Restoration
- Passage and Riparian Restoration
- Same Funding Cycle (Summer 2000)

Background

- Seasonal flashboard dam
- Mainstem of Russian River
- Constructed in 1953 as a WWII Veterans memorial
- Low-flow barrier



Project

- Restore full access to almost 800 square miles of habitat
- Construct 13 step "Ice Harbor" style fishway



Cost and Funding

- \$2.1M total
- \$450K in grant funds



Status

- Completed summer of 2001
- Major benefit to Chinook salmon
- Over 1000 redds above fishway in 2002



- Background
- Built in 1904 for swimming
- Final configuration over 30 feet high with 3 spillways
- Dam failed during El Nino flows of 1997



Project

- Restore access to 5 miles of stream
- Stop acute release of stored sediments
- Stabilize and revegetate upstream bank failure



Cost and Funding

- \$350K total
- \$172K grant funds



Status

- Construction started in September 2002
- Construction to be completed in Summer 2003



Background

- Flashboard Dam built in 1908 for recreation
- Currently used for vineyard frost protection
- Headcut at base 14 feet below historic grade



Project

- Use rock weirs to restore access to 50 miles of stream
- Stabilize and revegetate downstream bank failure



Cost and Funding

- \$420K total
- \$283K grant funds



Status

• Scheduled for construction Summer 2003

